

# INDEX\*

Acer canadense .....	76	Aulacomniaceae .....	766
glaucum .....	76	Auriculidae .....	87
negundo .....	76		
pennsylvanicum .....	76	Balanus tintinnabulum .....	83
rubrum .....	76	Balls, lake .....	752
saccharinum .....	76	coal .....	752
saccharum .....	76, 784	cladophora .....	752
spicatum .....	76	Bartramiaceae .....	766
treleaseanum .....	76	Becker .....	105
Acris gryllus .....	457	Bernard, H. M. ....	118
Actinophrys sol .....	372	Berrien County, Michigan .....	323
Actinosphaerium eichornii .....	372	Bog, Baxter's .....	570
Alectrion fossata .....	81	floristic aspect of .....	571
Aletes squamigerus .....	80	formation .....	567
Algae, Ohio .....	713	Blastometyx cursor .....	158
Amblystegiaceae .....	767	pristinus .....	157
Ambystoma maculatum .....	390	tantillus .....	159
texanum .....	396	Brachytheciaceae .....	767
tigrinum mavortium .....	401	Bryaceae .....	765
Amnicolidae .....	88	Bryophytes .....	761
Amoeba limax .....	365	Bryozoans, trepostomatous .....	629
proteus .....	364	Bufo americanus americanus .....	436
radiosa .....	365	cognatus .....	440
verrucosa .....	365	debilis .....	443
villosa .....	366	punctatus .....	446
Amoebotaenia sphenoides .....	589	woodhousii woodhousii .....	449
Amphibians .....	190, 377	Bullaria gouldi .....	81
Amusium (Pseudamussium) ham-			
iltonensis .....	617	Callianassa californiensis .....	83, 166
Ancestrula, bryozoan .....	648	Cancer anthonyi .....	82
Annulata .....	78	Cardium quadragenarium .....	79
Antilocapridae .....	161	Carruthers, R. G. ....	119
Anyclidae .....	88	Centropyxis aculeata .....	367
Arcella dentata .....	367	Cephaloziaceae .....	763
discoides .....	366	Cestoda of poultry .....	586
vulgaris .....	366	Chippewa County, Michigan .....	761
Arthropoda, pellets .....	82, 83	Chlamys (Aequipecten) burnetti .....	616
Artiodactyls .....	148	(Chlamys) beverlyi .....	614
Asterina miniata .....	84	(Chlamys) crocus .....	614
Asterocyclus monticellensis .....	141		

\* Names of new genera, species, etc., indicated by italics.

(Chlamys) <i>dehayesi denisoni</i> .....	613	Diffugia <i>corona</i> .....	368
(Chlamys) <i>sheldoniae</i> .....	614	<i>cratera</i> .....	369
<i>eboreus walkerensis</i> .....	616	<i>globulosa</i> .....	368
(Lyropecten) <i>pontoni</i> .....	615	<i>pyriformis</i> .....	368
(Lyropecten) <i>santamaria</i> .....	615	Digestive rates .....	187
(Placopecten) <i>virginianum</i> .....	617	Dinamoeba <i>mirabilis</i> .....	364
Choanotaenia <i>infundibuliformis</i> .....	590	Diphysciaceae .....	769
<i>Ciona intestinalis</i> .....	84	Dipylidiinae .....	589
<i>Cladophora</i> balls .....	752	Ditrichaceae .....	764
<i>Clathrulina elegans</i> .....	373	Dolfuss, M. G. ....	103, 109
Climaciaceae .....	766	Douglas County, Kansas .....	586
Coal balls .....	752	<i>Dryobates pubescens pubescens</i> .....	598
Cochliocypidae .....	87	Duerden, J. E. ....	116
<i>Coleites</i> .....	605	Duncan, P. Martin .....	99
<i>reticulosus</i> .....	606	Dybowski .....	103
Corals, Paleozoic .....	97-137	Echinodermata .....	84
<i>Cyperus acuminatus</i> .....	247	Ectoprocta .....	631
<i>dentatus</i> .....	248	Eggs, amphibian .....	389
var. <i>ctenostachys</i> .....	248	Elasmognathus <i>bairdii</i> .....	93
<i>diandrus</i> .....	244	Elephas <i>imperator</i> .....	622
<i>Engelmanii</i> .....	256	Eleutherodactylus <i>latrans</i> .....	89
<i>erythrorhizos</i> .....	256	Endodontidae .....	87
<i>esculentus</i> .....	251	Entoprocta .....	631
var. <i>macrostachyus</i> .....	251	<i>Epistominoides</i> .....	602
<i>filiculmis</i> .....	254	<i>midwayensis</i> .....	605
var. <i>macilentus</i> .....	255	<i>wilcoxensis</i> .....	604
<i>flavescens</i> .....	243	<i>Eucyperus</i> .....	246
<i>Houghtonii</i> .....	249	<i>Euglypha alveolata</i> .....	370
<i>inflexus</i> .....	246	<i>ciliata</i> .....	370
<i>mesochorus</i> .....	249	<i>Eurycea melanopleura</i> .....	417
<i>Nieuwlandii</i> .....	245	<i>multiplicata</i> .....	420
<i>ovularis</i> .....	253	Fabularia .....	139
<i>pseudovegetus</i> .....	247	<i>vaughani</i> .....	139
<i>rivularis</i> .....	244	Faecal pellets .....	78
<i>Schweinitzii</i> .....	248	Faurot, L. ....	120
<i>speciosus</i> .....	255	Ferns .....	203, 323
<i>strigosus</i> .....	251	Fissidentaceae .....	764
var. <i>multiflorus</i> .....	253	Floodplain .....	770
var. <i>robustior</i> .....	252	Flowering plants .....	203, 323
<i>Cyphoderia ampulla</i> .....	369	Fontinalaceae .....	766
Davaineidae .....	591	Foraminifera .....	601
Davaineinae .....	591	Fossil willow .....	781
Davidson, Thomas .....	99	Frech, F. ....	110
Diclidium .....	255	Frogs .....	377
Dicranaceae .....	764	Funariaceae .....	765
<i>Dicranopeltis greenii</i> .....	610		

368	Gastrophryne olivacea .....	501	Lang, W. D. ....	123
369	Gastropoda .....	86-88	Larvae, amphibian .....	388
368	Gerth, H. ....	125	Leiobunum aurugineum .....	665
368	Gordon, C. E. ....	118	bicolor .....	667
187	Gothland .....	114	bimaculatum .....	669
364	Grassland .....	770	calcar .....	670
769	Greene County, Trees of .....	581	crassipalpe .....	672
589	Georgiaceae .....	765	cretatum .....	673
764	Grimmiaceae .....	764	depressum .....	674
109			ephippiatum .....	674
586	Haeckel, Ernst .....	113	exilipes .....	675
598	Haime .....	101, 103, 109	flavum .....	676
116	Hall, James .....	105, 113	flavum .....	677
99	Haplotrematidae .....	87	leiopenis .....	677
103	Hardwood, virgin .....	529	formosum .....	678
	Hedwigiaceae .....	766	longipes .....	679
84	Helicidae .....	86	nigripes .....	681
631	Hermisenda crassicornis .....	80	nigropalpi .....	682
389	Hyla crucifer .....	470	paessleri .....	684
93	versicolor versicolor .....	472	peninsulare .....	685
622	Hylocomiaceae .....	768	politum .....	686
89	Hymenolepididae .....	589	relictum .....	688
87	Hymenolepis carioca .....	591	serratapalpe .....	689
631	Hypertragulus chadronensis .....	151	speciosum .....	690
602	crawfordensis .....	151	townsendi .....	691
605	quadratus .....	152	uxorium .....	692
604	sequens .....	153	ventricosum .....	693
246	Hypertrophy .....	622	floridanum .....	695
370	Hypisodus ironsi .....	156	verrucosum .....	695
370	paululus .....	156	vittatum .....	696
417	Hypnaceae .....	768	Lejeuneaceae .....	764
420			Lepidopa myops .....	82
	Illinois River .....	770	Lepidocyclina ariana .....	142
	Invertebrates, marine .....	187	Leptomeryx agatensis .....	155
139			antecedens .....	153
139	Jaekel, Otto .....	122	exilis .....	154
78	Jaw of Proboscidean .....	622	lenis .....	154
120			Leucobryaceae .....	764
323	Kansas .....	377, 586, 598	Leucodontaceae .....	766
764	Klunziger, C. B. ....	109	Ligyda occidentalis .....	83
770	Koch, G. von .....	106	Limacidae .....	87
323	Krempf, A. ....	123	Lindström, Gustave .....	108-109
766	Kunth, A. ....	99, 100, 101	Lophoziaaceae .....	762
601			Lumbrineris .....	78
781			Lymnaeidae .....	87
110	Lacaze-Duthiers .....	101, 102	Lytechinus aminesis .....	84
377	Lake balls .....	752		
765				

Macoma yoldiformis .....	81	(Pecten) wendelli .....	612
Marchantiaceae .....	762	Pectinidae, tertiary .....	612
Marenzeller, E. von .....	111	Pedicellina .....	638
Mariscus .....	253	Peeper, Spring .....	470
Marmota monax monax .....	197	Pelecypoda .....	88
Megathura crenata .....	80	Pelliaceae .....	762
Merycodus prodromus .....	161	Physidae .....	88
Migration, downy woodpecker .....	599	Plagiotheciaceae .....	768
Milasewitch .....	105	Planorbidae .....	87
Milne-Edwards .....	101, 103, 109	Pleuroceridae .....	88
Mniaceae .....	765	Pocta, P. .....	113
Mollusca .....	79-85	Polygyra profunda .....	178
Mopalia mucosa .....	80	Polynoid .....	78
Mossmite, four-horned .....	706	Polypus bimaculatus .....	80
Mudpuppy .....	377	Polytrichaceae .....	769
Mytilus californianus .....	79	Porellaceae .....	763
		Pratz, E. .....	109
Nanotragulus matthewi .....	160	Proboscidean .....	622
Neckeraeae .....	766	Protoecium .....	648
Necturus maculosus maculosus .....	422	Psaronius Illinoensis .....	358
Nereis vexillosa .....	78	Pseudacris clarkii .....	462
Neumayr, M. .....	112	triseriata .....	465
Newts .....	377	Pseudo-epitheca of Trepostomata .....	633
Nicholson, H. A. .....	104	Pseudoprotoceras longinaria .....	149
Norrisia norrisii .....	81	Ptilidiaceae .....	763
		Pupillidae .....	87
Ogilvie, Marie .....	114	Pycneus .....	243
Ohio .....	781		
algae of .....	713	Radulaceae .....	763
Oklahoma .....	190, 622	Raillietina cestacillus .....	591
Ophioderma panamensis .....	84	echinobothrida .....	591
Opiliones .....	662	tetragona .....	592
Orchestoidea californiana .....	83	Rana areolata .....	477
Oribatella brevicornuta .....	707	catesbeiana .....	482
b. extensa .....	710	clamatans .....	488
b. plummeri .....	709	pipiens .....	494
Oribatoidea .....	706	Ranunculus asiaticus var. superbis- simus .....	343
Orthotrichaceae .....	766	Raphidiophrys elegans .....	373
Osborn Preserve, Chase S. .....	761	Reptiles .....	190
Ostrea lurida .....	79	Rhizopoda .....	363
		Rhytidiaceae .....	768
Pachygrapsus crassipes .....	82	Riccardiaceae .....	762
Pagurus samuelis .....	83	Richter, Rudolph .....	128
Paphia staminea .....	79	Rominger, Carl .....	105
Papyrus .....	256	Rötteken .....	101
Pecten latiauritus .....	79		
(Pecten) brouweri .....	612		

612	St. Joseph County, Indiana	203	secondary	651
612	Salamander	377	Strobilopsidae	87
638	Salix Uva-ursi	782	Stuckenburger, A.	114
470	Sardeson, F. W.	125	Styella montereyensis	84
88	Scapaniaceae	763	Swamp	567
762	Scaphiopus bombifrons	427		
88	Schneider	101	Tapirus haysii	92
768	Schizothaerus nuttalli	79	Tegula lingulata	81
87	Scirpus acutus	296	Terebellid-Amphitrite	78
88	americanus	295	Tethys californica	80
113	atrovirens	297	Texas	601
178	var. georgianus	298	Thomson, J.	104
78	cyperinus	299	Thuidiaceae	767
80	var. Andrewsii	299	Toads	377
769	var. pelius	300	Topography of Prairie Sites	771
763	debilis	295	Trees, Shephard's	581
109	fluviatilis	297	Trepostomata	629
622	lineatus	298	Trinema enchelys	371
648	pauciflorus	294	Triturus viridescens louisianensis	406
358	pedicellatus	300	Tunicata	84
462	polyphyllus	298	Typhlotriton spelaeus	413
465	Smithii	294		
633	var. setosus	295	Unionidae	88
149	subterminalis	294	Urnatella gracilis	629
763	Torreyi	296		
87	validus	296	Valloniidae	87
243	Sciurus hudsonicus loquax	375	Valvatidae	88
	Sematophyllaceae	768	Vapyrella lateritia	371
763	Semper, C.	101	Viviparidae	88
591	Serpulid	78		
591	Skulls, woodchuck	197	Waagen, William	112
592	Snail	178	Waterdog	422
477	Soil	773	Weissermel, W.	115, 125
482	acidity	576	Willow, fossil	781
488	Sphaeriidae	88	Woodchuck	197
494	Sphagnaceae	764	Woodpecker, downy	598
	Sphagnum	574		
343	Spirontocaris palpator	83	Yakowlew, N. N.	121
373	Squirrel, Red	375		
190	Stalk	637, 642	Zirfaea gabbi	81
363	Stichopus californicus	84	Zittel, Karl A. von	108
768	Stolons	631	Zonitidae	87
762	primary	650	Zoecium of Trepostomata	637, 640
128				
105				
101				

## ERRATA

---

- p. 108, l. 36: read "Verrill"
- p. 169, l. 13: read "Plate VI"
- p. 204, l. 17: read "Dr. K. M. Wiegand"
- p. 206, l. 14: read "Monocotyledones"
- p. 207, l. 37: read "J. E. Smith"
- p. 214, l. 26: read "*C. odontorhiza* (Willd.) Nutt. (H)"
- p. 214, l. 34: read "*H. alba* (L.) Britton"
- p. 215, l. 16: read "*eriocephala*"
- p. 215, l. 27: read "Michx. f."
- p. 219, l. 25: read "*R. acris*"
- p. 219, l. 27: read "L.f."
- p. 223, l. 39: read "L.f."
- p. 226, l. 41: read "Michx. f."
- p. 228, l. 44: read "*Circassa lutetiana*"
- p. 234, l. 27: read "(L.f.)"
- p. 240, l. 5: read "vol."
- p. 240, l. 7: read "vol."
- p. 240, l. 17: read "vols."
- p. 244, l. 28: read "the dried up sloughs of"
- p. 245, l. 12: read "Whitley"
- p. 249, l. 2: read "reports"
- p. 251, l. 29: read "Barce"
- p. 252, l. 21: read "Chipman"
- p. 252, l. 27: read "Clark"
- p. 254, l. 1: read "wide"
- p. 254, l. 10: read "papillate"
- p. 254, l. 43: read "Millsbaugh"
- p. 256, l. 27: read "Whitley"
- p. 259, l. 1: read "phanerogams"
- p. 260, l. 3: read "Brookville"
- p. 292, l. 40: read "Dr. T. G. Yuncker"
- p. 293, l. 5: read "or paniculate"
- p. 295, l. 12: read "of partially"
- p. 295, l. 41: read "Clark"
- p. 296, l. 7: read ".4-1.5m. tall"
- p. 296, l. 20: read "1-3m. high"
- p. 299, l. 1: read "mucronate"
- p. 300, l. 1: read "specimens"
- p. 301, l. 7: read "1897" instead of "1896"
- p. 301, l. 12: read "1865" instead of "1860"

- p. 301, l. 17: read "1875" instead of "1874"
- p. 301, l. 19: read "1900" instead of "1899"
- p. 302, l. 23: read "1926" instead of "1925"
- p. 358, l. 12: read "Pteridosperm"
- p. 537, l. 13: read "quadrat"
- p. 537, l. 40: read "in" instead of "is"
- p. 549, l. 28: read "Class A, (Cain 1932) while"
- p. 551, l. 5: read "give"
- p. 552, l. 3: read "maxima"
- p. 552, l. 14: read "supported"
- p. 553, l. 36: read "the nine square m. plot"
- p. 553, l. 42: read "these data"
- p. 555, l. 41: read "following"
- p. 559, l. 14: read "make"
- p. 560, l. 23: read "synusiae"
- p. 560, l. 25: read "synusiae"
- p. 560, l. 28: read "grasp" instead of "group"
- p. 560, l. 28: read "synusiae"
- p. 560, l. 41: read "synusiae"
- p. 560, l. 43: read "synusiae"
- p. 561, l. 20: read "affect"
- p. 563, l. 18: read "These data are"
- p. 593, l. 13: read "larval"
- p. 714, l. 12: read "19" and "two"
- p. 727, l. 3: read "+"
- p. 740, l. 15: read "Brebissonii"
- p. 749, l. 25: read "algal"